

## Appendix G: Outline for Monitoring Report

- I. Introduction
- II. Description of study area
  - This should include what work has been done prior to this monitoring report
  - Describe study area in terms of wetland types, acres, buffers, landscape, etc.
- III. Methods
  - Describe transects
  - Describe method used for sampling vegetation, soil, hydrology, and water quality
  - Describe sampling frequency, duration, and date (vegetation, soils, hydrology, water quality)
- IV. Photographs

Photographic documentation should include the wetland and surrounding landscape from all four cardinal directions from permanent photo stations. (A map showing permanent stations should be included at least in the first monitoring report or within the instrument).
- V. Results, Discussion and Conclusions (include field sheets as appendix)
  - A. Vegetation
    1. Species composition, habit, & indicator status (list scientific & common names)
    2. Survival rate of planted species
    3. Ratio of planted species vs. volunteer species
    4. Individual species importance to the wetland type
  - B. Soils
    1. Redox potential - demonstrate how the site exhibits anaerobic conditions for 5-12.5% for the growing season (or as defined in the current wetland delineation manual) or why it doesn't.
    2. Describe organic matter content
    3. Describe nutrients
  - C. Hydrology
    1. Surface water hydroperiod
      - a. Source (precipitation, overland flow, etc.). Depths
      - b. Frequency
      - c. Duration of inundation. Record surface water during each inundation event during the growing season
    2. Seasonal groundwater elevations  
Record groundwater elevation every 10 days from March 15 through June 30 and monthly for the remainder of the growing season.
  - D. Water quality  
Site specific and based on compensatory mitigation objectives
  - E. Functions
    1. Plant maintenance
    2. Habitat maintenance
    3. Biogeochemical processes
    4. Hydrology